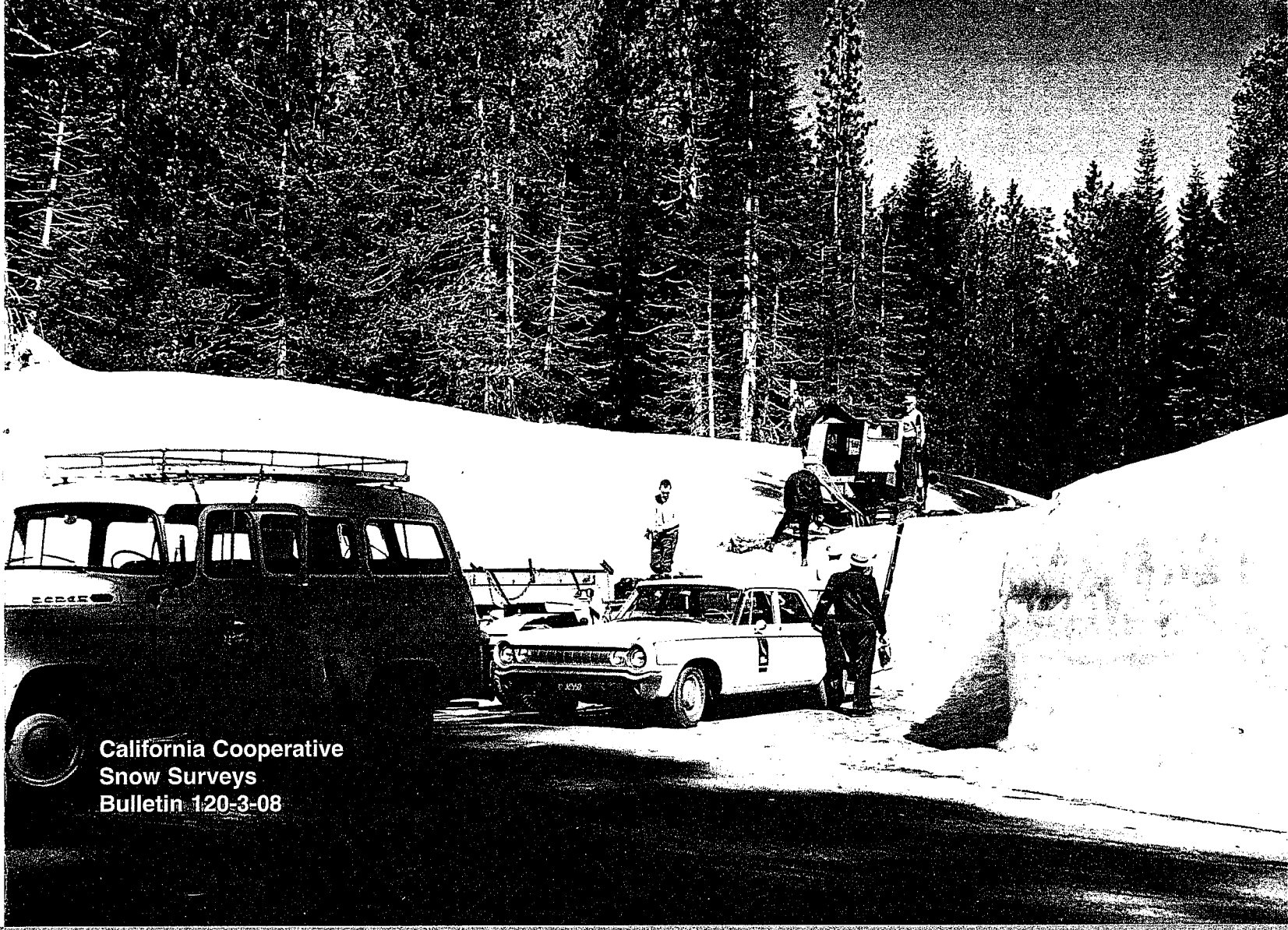

California Cooperative
Snow Surveys
Bulletin 120-3-08

State of California
The Resources Agency

Department of
Water Resources

Water Conditions in California

Report 3 April 1, 2008

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resources

STATE OF CALIFORNIA

Arnold Schwarzenegger, Governor

THE RESOURCES AGENCY

Mike Chrisman, Secretary for Resources

Department of Water Resources

Lester A. Snow
Director

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COOPERATING AGENCIES

Public Agencies
Buena Vista Water Storage District
East Bay Municipal Utility District
Eldorado Irrigation District
Friant Water Users Association
Kaweah Delta Water Conservation District
Kern Delta Water District
Kings River Conservation District
Lower Tule River Irrigation District
Merced Irrigation District
Modesto Irrigation District
Nevada Irrigation District
North Kern Water Storage District
Northern California Power Agency
Oakdale Irrigation District
Omochumne-Hartnell Water District
Oroville-Wyandotte Irrigation District
Placer County Water Agency
Sacramento Municipal Utility District
San Joaquin River Exchange Contractors Water Authority
South San Joaquin Irrigation District
Tri-Dam Project
Truckee River Basin Water Commission
Tulare Lake Basin Water Storage District
Turlock Irrigation District
Yuba County Water Agency

Private Organizations
J.G. Boswell Company
Kaweah and St. Johns River Association
Kings River Water Association
Tule River Association
State Water Project Contractors

Municipalities
City of Bakersfield Water Department
City of Los Angeles Department of Water and Power
City and County of San Francisco Hetch Hetchy Water and Power

State Agencies
University of California
- Central Sierra Snow Laboratory
- Scripps Institution of Oceanography

California Department of Forestry & Fire Protection
California Department of Water Resources

Public Utilities
Pacific Gas and Electric Company
Southern California Edison Company

Federal Agencies
U.S. Department of Agriculture
- Forest Service(14 National Forests)
- Natural Resource Conservation Service

U.S. Department of Commerce
- National Weather Service

U.S. Department of Interior
- Bureau of Reclamation
- Geological Survey, Water Resources
- National Park Service(3 National Parks)

U.S. Department of Army
- Corps of Engineers

Other Cooperative Programs
Nevada Cooperative Snow Surveys
Oregon Cooperative Snow Surveys

SUMMARY OF WATER CONDITIONS

April 1, 2008

Precipitation totals during March were disappointing. Despite some loss in water content over the past month, the snow pack is still near average. Spring runoff will likely be below average but still better than last year.

Forecasts of April through July runoff are 80 percent of average statewide with no prominent regional differences. The total water year outlook is about 65 percent, reflecting the lack of precipitation this past fall.

Snowpack water content is about 100 percent of average compared to 40 percent last year. April 1 is typically the date of maximum accumulation but this year peaked in early March.

Precipitation from October through March was about 90 percent of average compared to 65 percent one year ago. The major runoff producing regions have totaled 85 percent of average with the Sacramento River lowest at 80 percent. March precipitation was 20 percent of average.

Runoff has been about 55 percent of average so far this season, nearly the same as last year's 60 percent. March runoff was 50 percent of average. Estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions during March was 1.8 million acre feet.

Reservoir storage gained during March but less than the average amount for the month. Storage is about 85 percent of average compared to 110 percent last year. Storage is at 60 percent of capacity overall

..

SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	April 1 SNOW WATER CONTENT	April 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	95	110	85	65	100	75
SAN FRANCISCO BAY	100	--	100	65	--	--
CENTRAL COAST	100	--	100	80	--	--
SOUTH COAST	90	--	95	85	--	--
SACRAMENTO RIVER	80	95	80	50	80	65
SAN JOAQUIN RIVER	85	95	90	45	80	70
TULARE LAKE	85	115	70	65	90	80
NORTH LAHONTAN	85	100	80	50	75	65
SOUTH LAHONTAN	90	120	105	70	100	95
COLORADO RIVER-DESERT	90	--	--	--	--	--
STATEWIDE	90	100	85	55	80	65

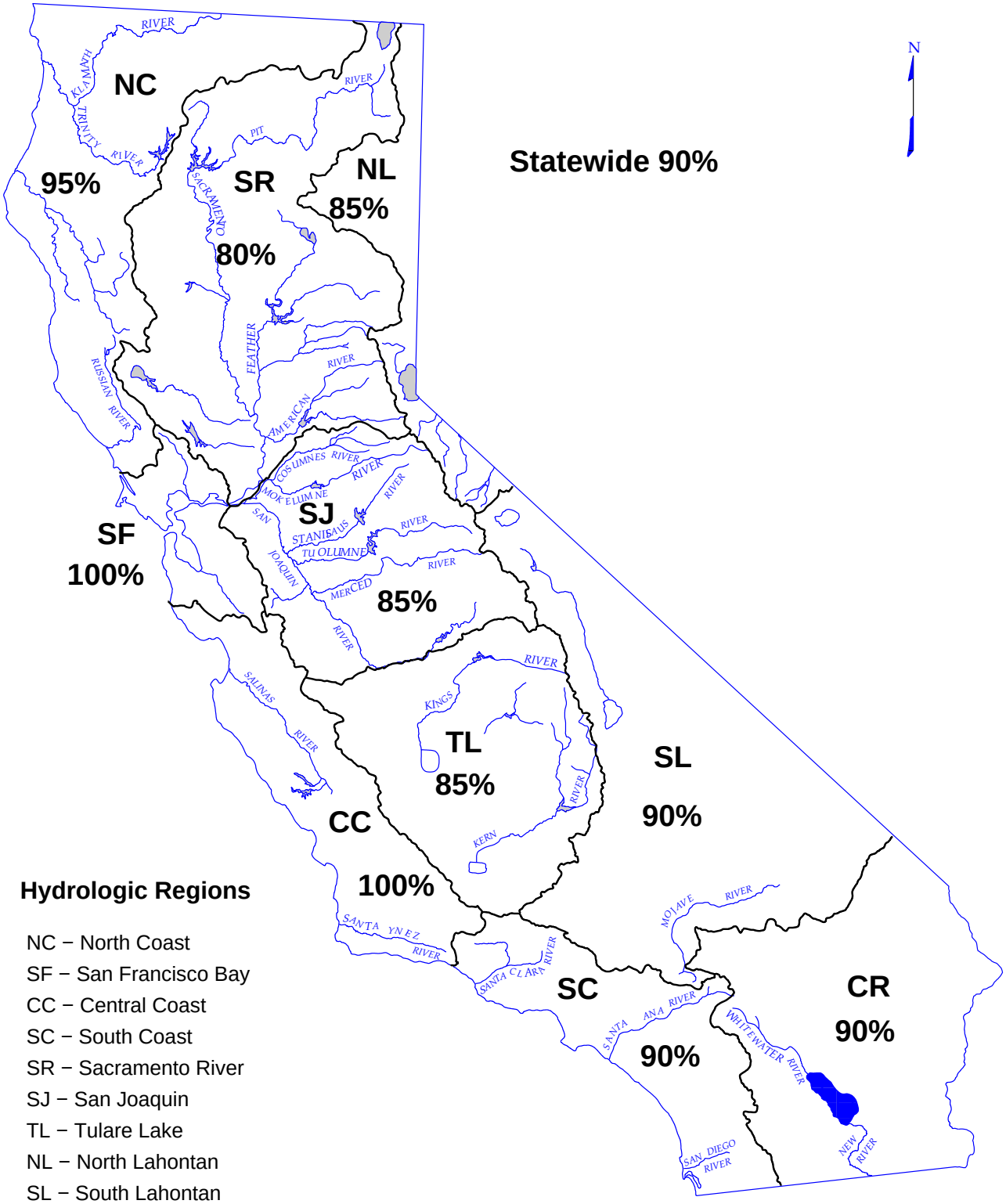
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2007 through March 31, 2008

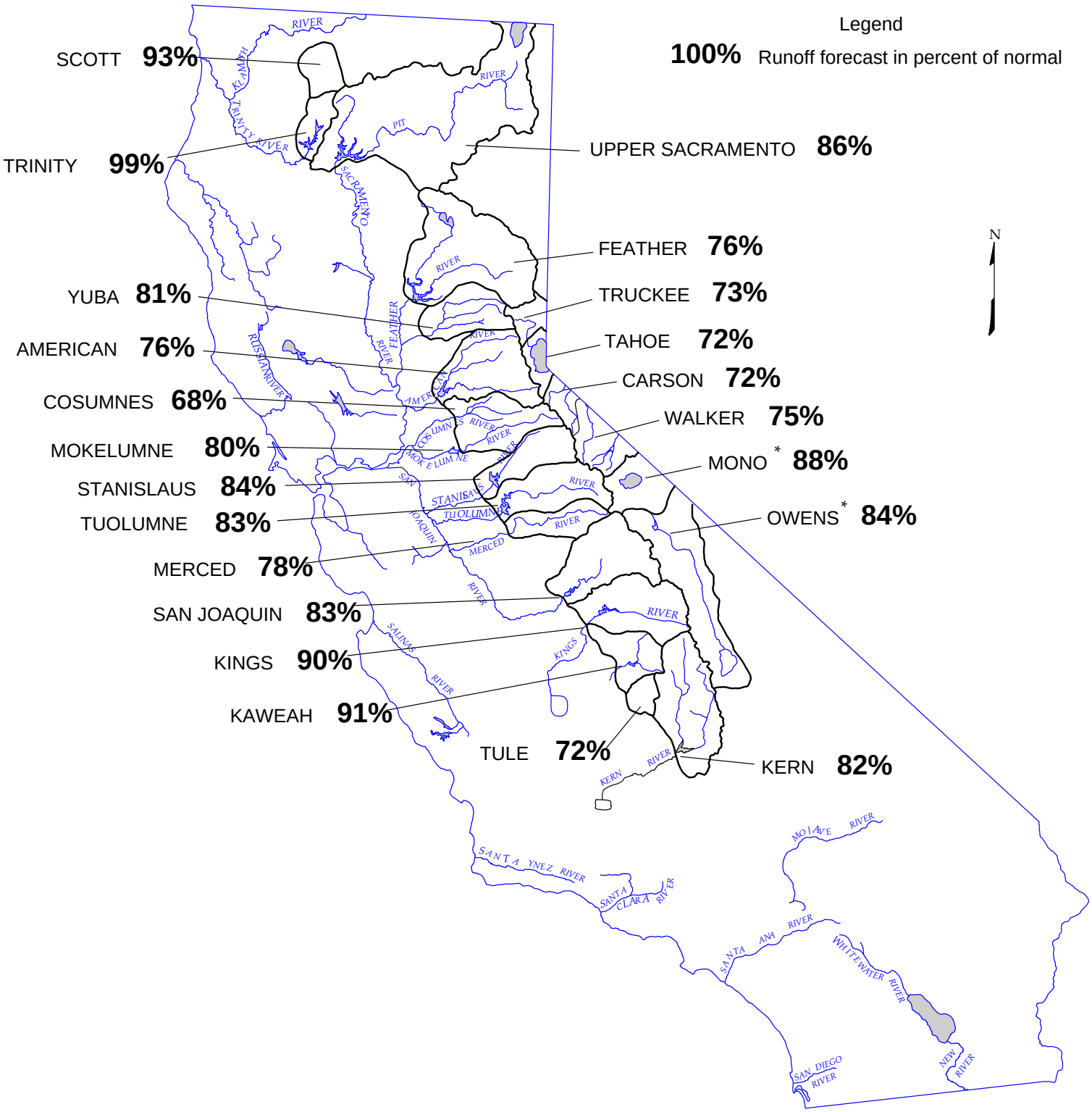


Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
April 1, 2008



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

APRIL 1, 2008 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	298	711	39	270	90%	
McCloud River above Shasta Lake	392	850	185	360	92%	
Pit River near Montgomery Creek + Squaw Creek	1,066	2,098	480	890	83%	
Total Inflow to Shasta Lake	1,819	3,525	726	**1,560**	86%	1,210 - 2,360
Sacramento River above Bend Bridge, near Red Bluff	2,494	5,075	943	**2,120**	85%	1,600 - 3,290
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	260	78%	
North Fork at Pulga (3)	1,028	2,416	243	760	74%	
Middle Fork near Clio (4)	86	518	4	60	70%	
South Fork at Ponderosa Dam (3)	110	267	13	75	68%	
Feather River at Oroville	1,782	4,676	392	**1,360**	76%	980 - 2,210
Yuba River						
North Yuba below Goodyears Bar	279	647	51	220	79%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	90	80%	
South Yuba at Langs Crossing (3)	233	481	57	170	73%	
Yuba River near Smartville plus Deer Creek	1,006	2,424	200	**810**	81%	540 - 1,210
American River						
North Fork at North Fork Dam (3)	262	716	43	180	69%	
Middle Fork near Auburn (3)	522	1,406	100	390	75%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	130	75%	
American River below Folsom Lake	1,240	3,074	229	**940**	76%	660 - 1,590
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	126	363	8	**85**	68%	40 - 205
Mokelumne River						
North Fork near West Point (5)	437	829	104	330	76%	
Total Inflow to Pardee Reservoir	461	1,065	102	**370**	80%	290 - 520
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	270	81%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	180	80%	
Stanislaus River below Goodwin Reservoir (7)	702	1,710	116	**590**	84%	450 - 840
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	260	83%	
Tuolumme River near Hetch Hetchy	604	1,392	153	510	84%	
Tuolumne River below La Grange Reservoir (7)	1,220	2,682	301	**1,010**	83%	840 - 1,400
Merced River						
Merced River at Pohono Bridge	372	888	80	300	81%	
Merced River below Merced Falls (7)	632	1,587	123	**490**	78%	390 - 730
San Joaquin River						
San Joaquin River at Mammoth Pool (8)	1,026	2,279	235	880	86%	
Big Creek below Huntington Lake (9)	91	264	11	75	82%	
South Fork near Florence Lake (8)	201	511	58	170	85%	
San Joaquin River inflow to Millerton Lake	1,254	3,355	262	**1,040**	83%	830 - 1,380
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	210	88%	
Kings River below Pine Flat Reservoir	1,224	3,113	274	**1,100**	90%	920 - 1,400
Kaweah River below Terminus Reservoir	286	814	62	**260**	91%	210 - 380
Tule River below Lake Success	64	259	2	**46**	72%	32 - 96
Kern River						
Kern River near Kernville	384	1,203	83	320	83%	
Kern River inflow to Lake Isabella	461	1,657	84	**380**	82%	300 - 500

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81
(8) 50 year average based on years 1953-2002
(9) 50 year average based on years 1946-1995

APRIL 1, 2008 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)

HISTORICAL			DISTRIBUTION								FORECAST			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan*	Feb *	Mar *	Apr	May	Jun	Jul	Aug & Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
887	1,965	165												
1,217	2,353	557												
3,159	5,150	1,484												
6,107	10,796	2,479	1,335	610	525	600	450	290	220	405	**4,435**	73%	4,020	5,325
8,907	17,180	3,294	2,010	1,005	700	810	620	400	290	520	**6,355**	71%	5,705	7,655
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,620	9,492	994	500	240	350	570	450	220	120	170	**2,620**	57%	2,190	3,580
564	1,056	102												
181	292	30												
379	565	98												
2,373	4,926	369	225	140	180	310	340	130	30	35	**1,390**	59%	1,110	1,810
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,719	6,382	349	205	140	220	360	380	165	35	20	**1,525**	56%	1,225	2,190
390	1,253	20	30	27	22	43	30	10	2	1	**165**	42%	115	290
626	1,009	197												
755	1,800	129	25	30	50	110	165	85	10	3	**478**	63%	390	630
471	929	88												
1,171	2,952	155	75	55	75	180	245	135	30	15	**810**	69%	660	1,080
461	1,147	123												
770	1,661	258												
1,951	4,631	383	110	100	125	250	400	300	60	20	**1,365**	70%	1,180	1,770
461	1,020	92												
1,007	2,787	150	55	65	50	125	210	130	25	9	**669**	66%	570	930
1,337	2,964	308												
112	298	14												
248	653	71												
1,836	4,642	362	95	70	105	210	400	320	110	45	**1,355**	74%	1,130	1,720
284	607	58												
1,721	4,287	386	85	75	100	210	430	350	110	50	**1,410**	82%	1,220	1,730
454	1,402	94	31	31	39	65	100	75	20	8	**369**	81%	310	500
148	615	16	16	18	16	19	18	7	2	1	**97**	66%	80	150
558	1,577	163												
730	2,318	175	55	35	55	80	135	115	50	35	**560**	77%	470	700

* Unimpaired runoff in prior months based on measured flows

(7) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

APRIL 1, 2008 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Trinity River					
Trinity River at Lewiston Lake (3)	654	1,593	80	**650**	99%
Scott River					
Scott River near Fort Jones (3)	200	400	30	**185**	93%
Klamath River					
Total inflow to Upper Klamath Lake (4)	515	939	149	**515**	100%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	261	713	52	**190**	73%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	**1.0**	72%
Carson River					
West Fork Carson River at Woodfords	54	135	12	**40**	74%
East Fork Carson River near Gardnerville	187	407	43	**135**	72%
Walker River					
West Walker River below Little Walker, near Coleville	154	330	35	**120**	78%
East Walker River near Bridgeport	64	209	7	**45**	70%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**198**	84%

APRIL 1, 2008 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

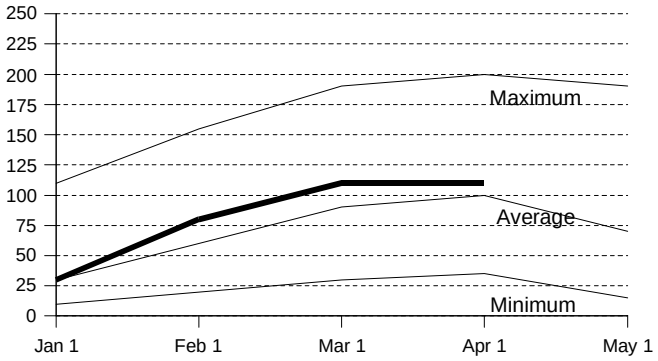
HYDROLOGIC REGION and Watershed	Water Year Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
NORTH COAST						
Trinity River						
Trinity River at Lewiston Lake (3)	1,398	2,990	200	**1,065**	76%	900 - 1345

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) Forecast by National Weather Service California-Nevada River Forecast Center.
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1971-2000.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

NORTH COAST REGION

Snowpack Accumulation

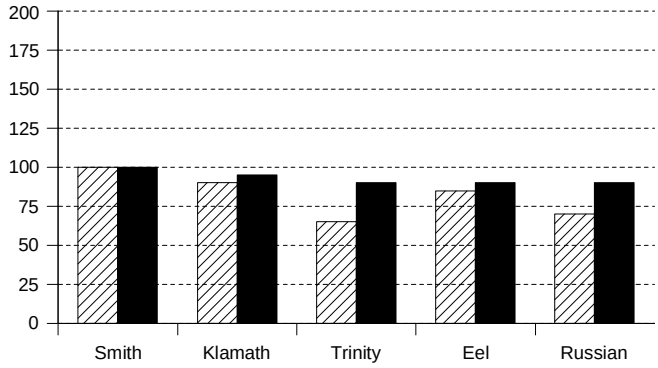
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 12 snow courses indicate an area wide snow water equivalent of 32 inches. This is 110 percent of the April 1 average. Last year at this time the pack was holding 14.9 inches of water.

Precipitation

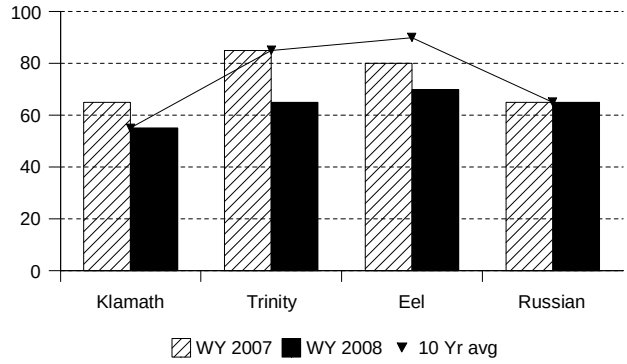
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 95 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal.

Reservoir Storage

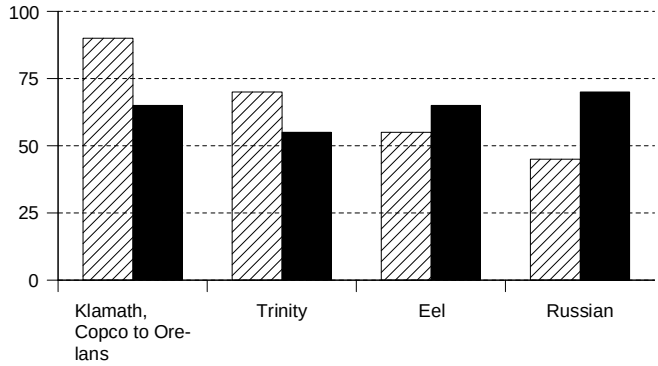
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 2 million acre-feet which is 85 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

Runoff

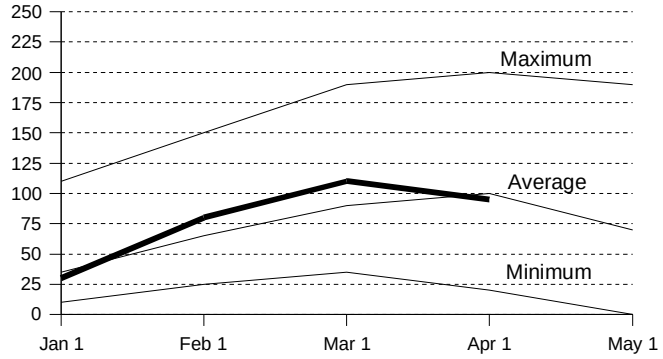
October 1 to date in % of average



RUNOFF -Seasonal runoff of streams draining the area totaled 6.3 million acre-feet which is 65 percent of the average for this period. Last year, runoff for the same period was 65 percent of average.

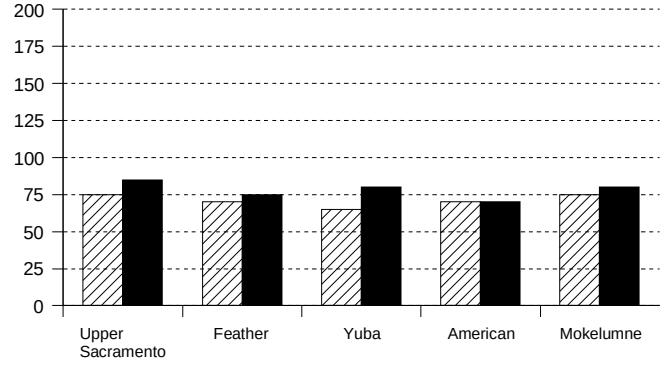
Snowpack Accumulation

Water Content in % of April 1 Average



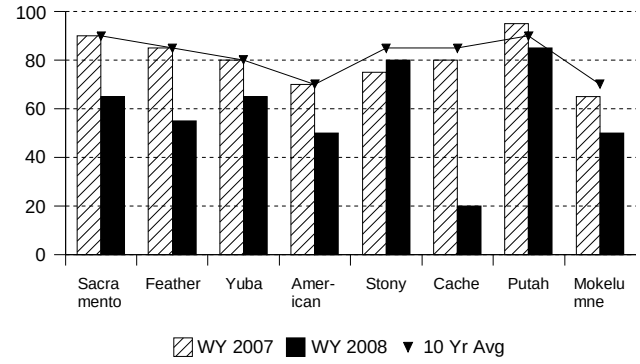
Precipitation

October 1 to date in % of Average



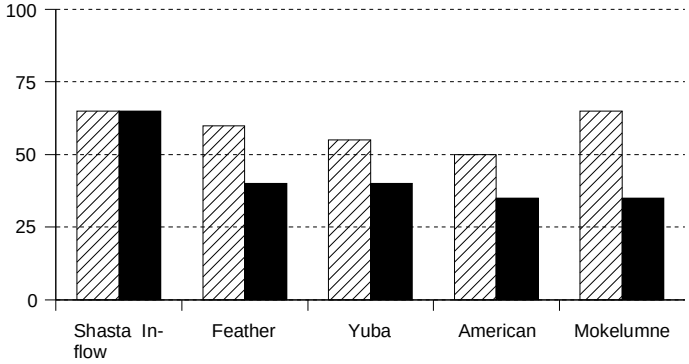
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 78 snow courses indicate an area wide snow water equivalent of 28.1 inches. This is 95 percent of the April 1 average. Last year at this time the pack was holding 13 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 80 percent of normal. Precipitation last month was about 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 65 percent of normal.

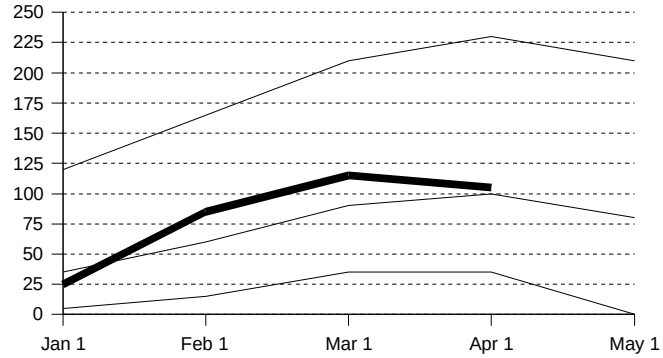
RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 9.7 million acre-feet which is 80 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 110 percent of average.

RUNOFF - Seasonal runoff of streams draining the are totaled 5.9 million acre-feet which is 50 percent of average for this period. Last year, runoff for the same period was 60 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 5.7 assuming median meteorological conditions for the remainder of the year. This classifies the year as "dry" in the Sacramento Valley according to the State Water Resources Control Board.

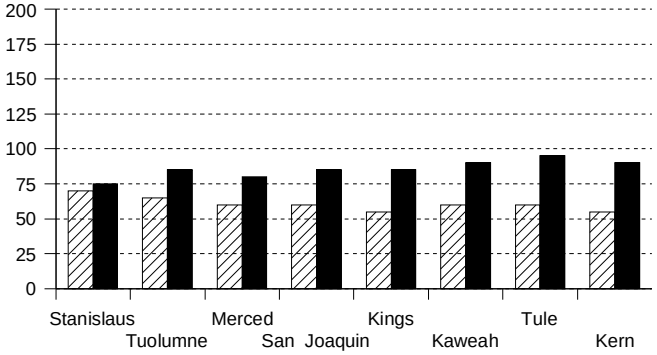
Snowpack Accumulation

Water Content in % of April 1 Average



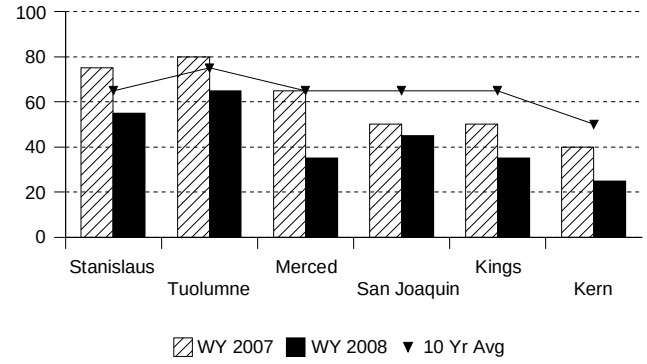
Precipitation

October 1 to date in % of Average



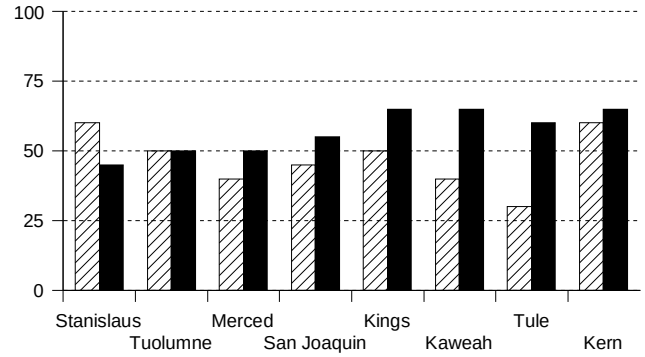
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

***SNOWPACK*-** First of the month measurements made at 70 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 30.2 inches. This is 95 percent of the April 1 average. Last year at this time the pack was holding 14.9 inches of water. At the same time 42 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 27.2 inches which is 115 percent of the average for April 1. Last year at this time the basin was holding 8.9 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 85 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 65 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 85 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

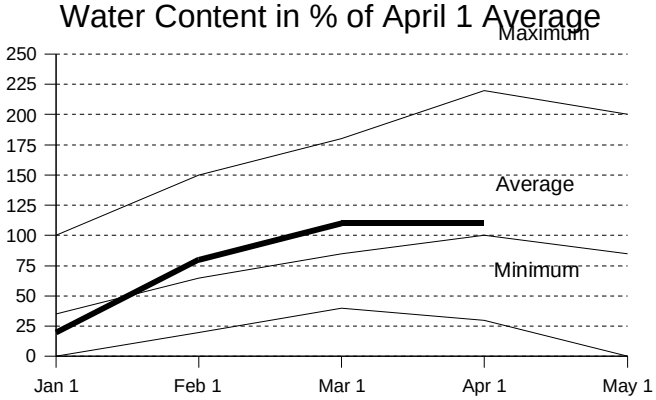
RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 6.7 million acre-feet which is 90 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 630 thousand acre-feet which is 70 percent of average and about 30 percent of available capacity. Storage in these reservoirs at this time last year was 105 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 1.2 million acre-feet which is 45 percent of average for this period. Last year, runoff for the same period was 50 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 560 thousand acre-feet which is 65 percent of average for this period. Last year runoff for this same period was 50 percent of average.

The **San Joaquin River Region 60-20-20 Water Supply Index** is forecast to be 2.3 assuming 75 percent exceedance meteorological conditions. This classifies the year as "dry" in the San Joaquin Region according to the State Water Resources Control Board.

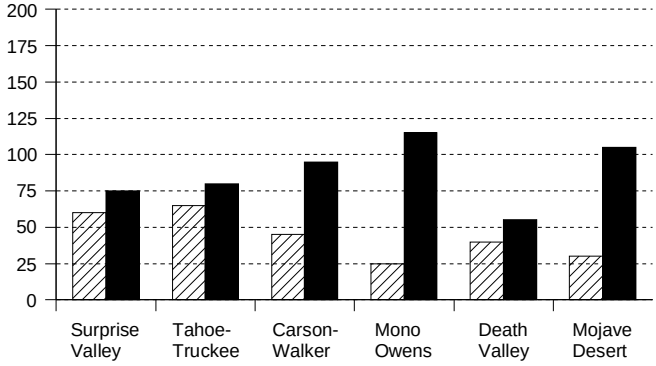
Snowpack Accumulation

Water Content in % of April 1 Average



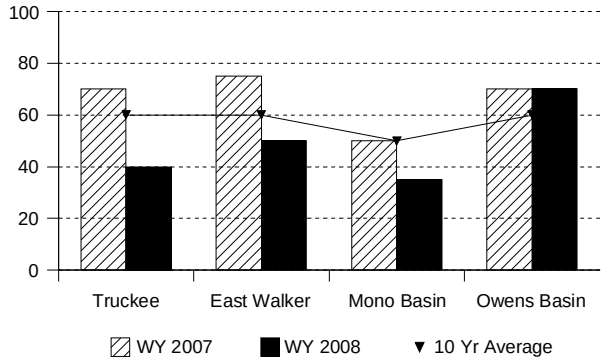
Precipitation

October 1 to date in % of Average



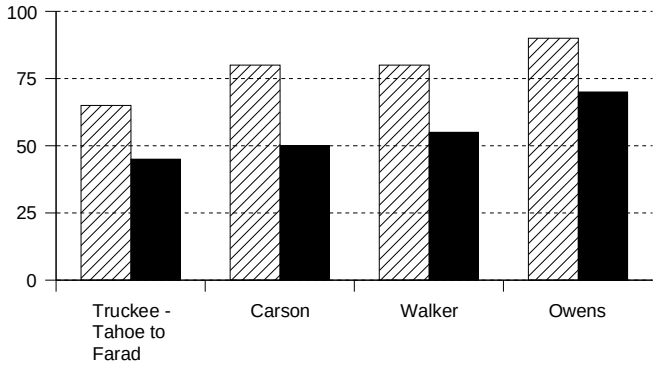
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 17 **North Lahontan snow** courses indicate an area wide snow water equivalent of 25.3 inches. This is 100 percent of the April 1 average. Last year at this time the pack was holding 13.1 inches of water. At the same time 21 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 21 inches which is 120 percent of the average for April 1. Last year at this time the basin was holding 6.6 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 85 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

Seasonal precipitation on the **South Lahontan** was 90 percent of normal. Precipitation last month was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 30 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 445 thousand acre-feet which is 80 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 135 percent of average. Lake Tahoe was 2.1 feet above its natural rim on April 1.

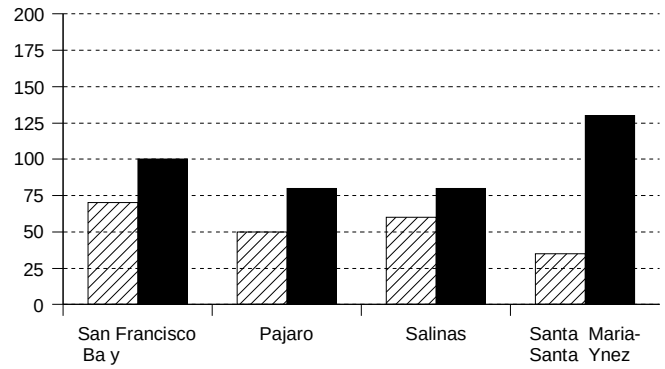
First of the month storage in 8 **South Lahontan** reservoirs was 274 thousand acre-feet which is 105 percent of average and about 70 percent of available capacity. Storage in these reservoirs at this time last year was 110 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 139 thousand acre-feet which is 50 percent of average for this period. Last year, runoff for the same period was 75 percent of average.

Seasonal runoff of the Owens River in the **South Lahontan** totaled 48 thousand acre-feet which is 70 percent of average for this period. Last year runoff for this same period was 90 percent of average.

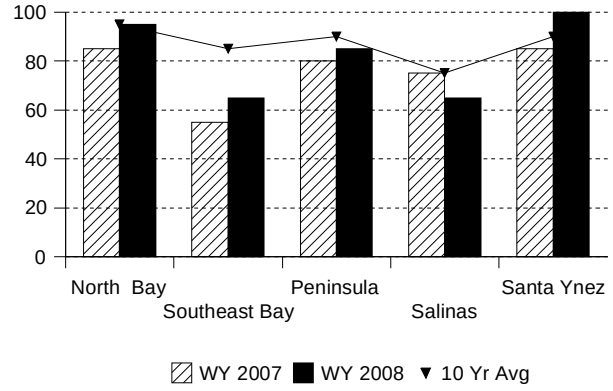
Precipitation

October 1 to date in % of Average



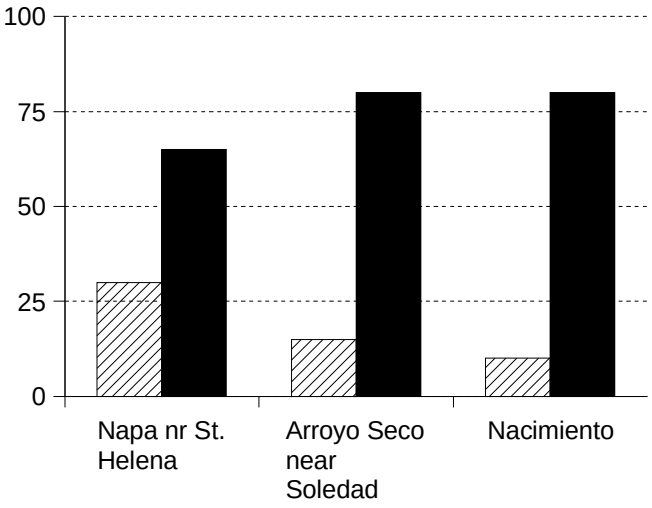
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 100 percent of normal. Precipitation last month was about 15 percent of the monthly average. Seasonal precipitation at this time last year stood at 70 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 100 percent of normal. Precipitation last month was about 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 50 percent of normal.

RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 392 thousand acre-feet which is 100 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 716 thousand acre-feet which is 100 percent of average and about 75 percent of available capacity. Storage in these reservoirs at this time last year was 110 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 43 thousand acre-feet which is 65 percent of average for this period. Last year, runoff for the same period was 30 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 226 thousand acre-feet which is 80 percent of average for this period. Last year runoff for this same period was 15 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through March (seasonal) precipitation on the **South Coast Region** is 90 percent of normal. March precipitation was 5 percent of the monthly average. Seasonal precipitation at this time last year was 30 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** is 90 percent of normal. March precipitation was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 10 percent of average.

RESERVOIR STORAGE – March 31 storage in 29 major **South Coast Region** reservoirs is 1.5 million acre-feet or 95 percent of average. About 75 percent of available capacity is being used. Storage in these reservoirs at this time last year was 90 percent of average.
On March 31 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 25.9 million acre-feet or about 65 percent of average. About 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing 70 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 32 thousand acre-feet which is 85 percent of average. Seasonal runoff from these streams last year was 25 percent of average.

COLORADO RIVER - The April -July inflow to Lake Powell is forecast to be 10.2 million acre-feet, which is 130 percent of average. The April 1 snowpack in the Colorado River basin above Lake Powell is 125 percent, highest in the Gunnison at 130 percent and lowest in the Escalante at 95 percent.

CENTRAL VALLEY PROJECT

As of April 1, 2008, Northern CVP storage was 7.3 million acre-feet, which is an decrease of 2.2 million acre-feet compared to one year ago and is approximately 80% of normal for that date.

The Bureau of Reclamation announced updated water year 2008 supply allocations for the CVP contractors on March 20, 2008. Based on a conservative water supply forecast prepared from information available March 1, 2008, and a projected water year inflow into Shasta Reservoir of 4.0 million acre-feet, CVP water supplies were: Agricultural contractors North of Delta 45% and South of Delta 45%; Urban contractors North of Delta 75% and South of Delta 75%; Sacramento River water rights and San Joaquin Exchange Contractors 100%; Wildlife Refuges 100%; Eastside Division contractors (Stanislaus River) projected to be 35,000 acre-feet; Friant Division contractors 100% of Class 1 and 5% for Class 2. Updated allocations will be announced in mid-April.

The forecast of CVP operations is available on the Mid-Pacific Region's website at http://www.usbr.gov/mp.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF March 2007 1,000 AF	2008 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,754	3,123	1,677	61%	47%
San Luis Reservoir (SWP)	1,062	991	1,028	917	93%	86%
Lake Del Valle	77	37	32	41	109%	53%
Lake Silverwood	73	67	69	72	108%	99%
Pyramid Lake	171	164	168	157	96%	92%
Castaic Lake	325	286	267	270	94%	83%
Perris Lake	132	118	71	72	61%	55%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,960	2,029	1,593	81%	65%
Lake Shasta	4,552	3,736	4,011	2,991	80%	66%
Whiskeytown Lake	241	212	207	211	99%	88%
Folsom Lake	977	626	693	451	72%	46%
New Melones Reservoir	2,420	1,486	1,979	1,488	100%	62%
Millerton Lake	520	360	246	285	79%	55%
San Luis Reservoir (CVP)	971	883	765	774	88%	80%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,218	13,930	12,940	64%	49%
Lake Powell	24,322	18,197	11,637	10,800	59%	44%
Lake Mohave	1,810	1,679	1,685	1,618	96%	89%
Lake Havasu	619	557	562	551	99%	89%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	182	182	180	99%	91%
Camanche Reservoir	417	260	305	211	81%	51%
East Bay (4 res.)	147	135	118	120	89%	81%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	140	253	164	118%	46%
Cherry Lake	268	130	242	168	129%	63%
Lake Eleanor	26	12	19	9	79%	36%
South Bay/Peninsula (4 res.)	225	178	150	160	90%	71%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	129	146	138	108%	75%
Grant Lake	48	27	35	22	80%	46%
Other Aqueduct Storage (6 res.)	83	77	55	55	71%	66%

TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2008

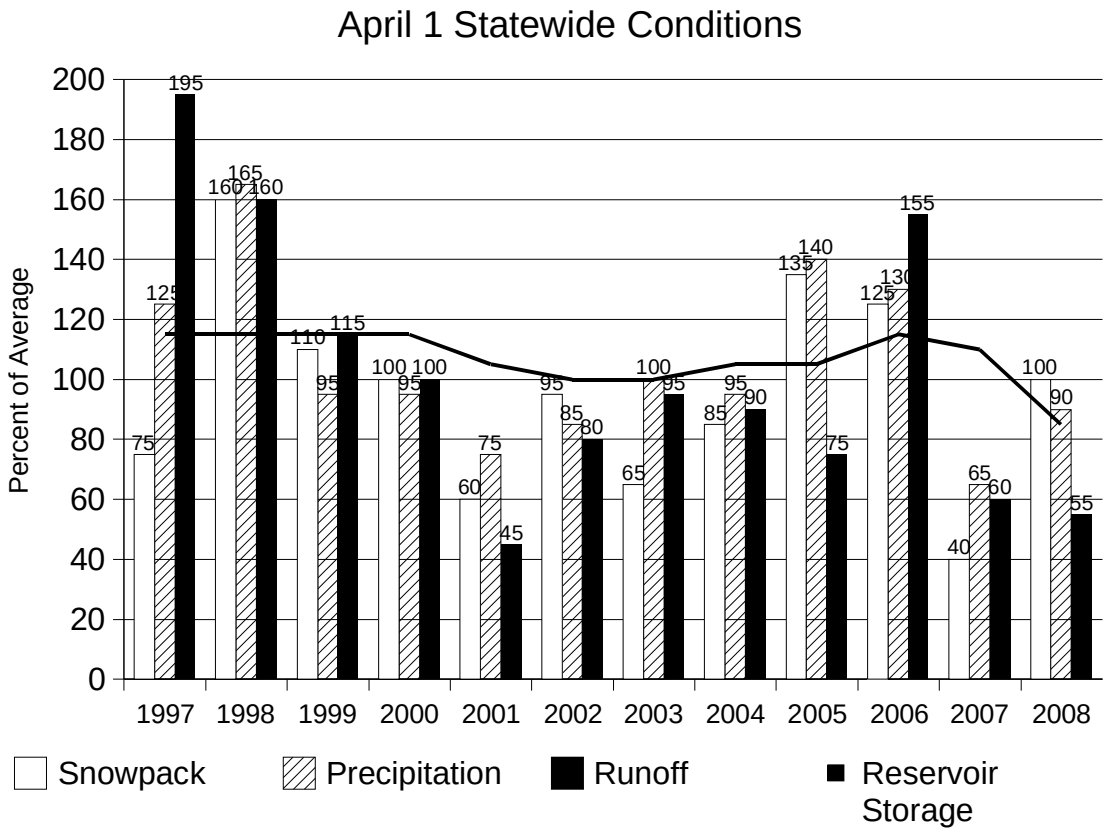
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT Apr 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	32.7	112.1	32.7	31.9
Red Rock Mountain	6700’	39.6	—	—	—	—
Bonanza King	6450’	40.5	46.3	114.4	46.0	45.8
Shimmy Lake	6400’	40.3	47.9	118.7	47.5	46.9
Middle Boulder 3	6200’	28.3	33.6	118.7	33.7	33.0
Highland Lakes	6030’	29.9	37.9	126.8	38.0	37.2
Scott Mountain	5900’	16.0	27.8	174.0	27.8	28.3
Mumbo Basin	5650’	22.4	—	—	—	—
Big Flat	5100’	15.8	29.0	183.6	29.1	28.9
Crowder Flat	5100’	—	4.2	—	4.2	3.7
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	19.4	107.2	19.2	18.1
Blacks Mountain	7050’	12.7	—	—	—	—
Sand Flat	6750’	42.4	27.6	65.0	27.6	27.6
Medicine Lake	6700’	32.6	23.3	71.4	23.0	22.6
Adin Mountain	6200’	13.6	13.3	97.8	13.0	12.3
Snow Mountain	5950’	27.0	37.7	139.6	37.4	37.0
Slate Creek	5700’	29.0	48.9	168.6	48.8	48.9
Stouts Meadow	5400’	36.0	—	—	—	—
FEATHER RIVER						
Lower Lassen Peak	8250’	—	82.4	—	82.5	81.4
Kettle Rock	7300’	25.5	24.9	97.8	24.8	26.1
Grizzly Ridge	6900’	29.7	22.8	76.7	22.5	23.5
Pilot Peak	6800’	52.6	34.2	65.0	34.4	32.4
Gold Lake	6750’	36.5	31.8	87.0	31.8	31.8
Humbug	6500’	28.0	35.8	127.7	35.6	35.4
Harkness Flat	6200’	28.5	23.7	83.3	24.0	24.0
Rattlesnake	6100’	14.0	19.6	139.7	20.8	21.2
Bucks Lake	5750’	44.7	56.0	125.4	56.0	56.6
Four Trees	5150’	20.0	32.2	161.2	32.6	36.0
EEL RIVER						
Noel Spring	5100’	—	19.9	—	20.1	22.7
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	—	—	—	—
Schneiders	8750’	34.5	34.9	101.2	35.0	34.4
Carson Pass	8353’	—	26.5	—	26.4	26.5
Caples Lake	8000’	30.9	25.1	81.1	24.9	26.3
Alpha	7600’	35.9	31.1	86.7	31.2	32.1
Meadow Lake	7200’	55.5	41.4	74.6	41.5	41.0
Silver Lake	7100’	22.7	18.9	83.4	19.7	21.3
Central Sierra Snow Lab	6900’	33.6	33.3	99.1	33.4	35.1
Huysink	6600’	42.6	33.7	79.1	33.7	33.5
Van Vleck	6700’	35.9	36.0	100.2	36.4	37.4
Robinson Cow Camp	6480’	—	36.0	—	37.0	39.2
Robbs Saddle	5900’	21.4	23.3	108.9	24.2	25.0
Greek Store	5600’	21.0	—	—	—	—
Blue Canyon	5280’	9.0	24.6	272.8	25.1	27.8
Robbs Powerhouse	5150’	5.2	16.3	313.7	16.8	19.2
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	32.4	87.0	32.2	31.8
Highland Meadow	8700’	47.9	29.2	60.9	28.9	30.1
Gianelli Meadow	8400’	55.5	36.5	65.8	36.4	36.0
Lower Relief Valley	8100’	41.2	35.4	86.0	35.4	35.3
Blue Lakes	8000’	33.1	26.2	79.2	26.3	26.7
Mud Lake	7900’	44.9	43.3	96.4	43.4	43.2
Stanislaus Meadow	7750’	47.5	34.8	73.3	34.5	34.3
Bloods Creek	7200’	35.5	29.0	81.7	28.9	29.0
Black Springs	6500’	32.0	30.1	94.2	30.3	31.4
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	25.9	93.5	26.5	29.5
Slide Canyon	9200’	41.1	34.8	84.6	34.7	34.3
Lake Tenaya	8150’	33.1	29.0	87.7	28.9	28.5
Tuolumne Meadows	8600’	22.6	17.1	75.8	17.1	17.6
Horse Meadow	8400’	48.6	42.8	88.0	42.7	41.6
Ostrander Lake	8200’	34.8	28.1	80.8	28.1	28.0
White Wolf	7900’	—	27.4	—	27.3	27.9
Paradise Meadow	7650’	41.3	32.4	78.4	32.0	30.9
Gin Flat	7050’	34.2	29.1	84.9	29.2	30.1
Lower Kibbie Ridge	6700’	27.4	22.4	81.6	22.2	23.2

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	26.8	89.1	26.9	26.2
Agnew Pass	9450’	32.3	25.6	79.4	25.7	25.5
Kaiser Point	9200’	37.8	26.5	70.0	26.5	28.5
Green Mountain	7900’	30.8	27.5	89.3	27.1	28.1
Tamarack Summit	7550’	30.5	25.3	83.0	25.4	27.9
Chilkoot Meadow	7150’	38.0	42.2	111.2	42.2	43.9
Huntington Lake	7000’	20.1	22.6	112.2	22.3	23.8
Graveyard Meadow	6900’	18.8	20.9	111.1	20.9	22.3
Poison Ridge	6900’	28.9	29.4	101.7	28.8	31.0
KINGS RIVER						
Bishop Pass	11200’	34.0	21.3	62.7	21.2	20.1
Charlotte Lake	10400’	27.5	30.2	110.0	30.2	29.3
State Lakes	10300’	29.0	33.4	115.2	33.4	33.0
Mitchell Meadow	9900’	32.9	37.3	113.4	37.1	36.6
Blackcap Basin	10300’	34.3	34.0	99.2	34.0	33.2
Upper Burnt Corral	9700’	34.6	30.9	89.3	30.8	29.0
West Woodchuck Meadow	9100’	32.8	29.5	89.9	29.5	30.9
Big Meadows	7600’	25.9	32.7	126.4	32.7	36.3
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	45.8	132.6	45.6	45.6
Quaking Aspen	7200’	21.0	29.8	141.8	29.5	32.3
Giant Forest	6650’	10.0	10.8	108.0	10.5	12.9
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	24.5	88.4	24.4	25.2
Crabtree Meadow	10700’	19.8	16.8	84.8	16.8	16.9
Chagoopa Plateau	10300’	21.8	19.5	89.4	19.5	19.5
Pascoes	9150’	24.9	30.8	123.7	30.6	30.7
Tunnel Guard Station	8900’	15.6	10.5	67.2	11.1	14.4
Casa Vieja Meadows	8300’	20.9	22.8	108.9	22.9	24.3
Beach Meadows	7650’	11.0	4.2	38.2	4.8	8.8
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	27.6	94.5	27.5	25.7
TRUCKEE RIVER						
Independence Lake	8450’	41.4	36.4	87.9	36.4	36.4
Big Meadows	8700’	25.7	18.0	70.0	18.0	18.3
Squaw Valley	8200’	46.5	38.5	82.8	38.3	39.2
Independence Camp	7000’	21.8	17.7	81.2	17.7	18.5
Independence Creek	6500’	12.7	15.1	118.9	15.2	16.4
Truckee 2	6400’	14.3	15.2	106.3	15.2	17.1
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	32.2	83.6	32.3	32.6
Heavenly Valley	8800’	28.1	20.8	74.0	20.8	21.3
Hagans Meadow	8000’	16.5	13.7	83.0	13.7	14.9
Marlette Lake	8000’	21.1	19.1	90.5	19.1	19.5
Echo Peak 5	7800’	39.5	36.5	92.4	36.6	38.3
Rubicon Peak 2	7500’	29.1	26.4	90.7	26.3	26.6
Tahoe City Cross	6750’	16.0	7.9	49.4	8.1	10.4
Ward Creek 3	6750’	39.4	35.9	91.1	35.8	36.1
CARSON RIVER						
Ebbetts Pass	8700’	38.8	28.3	72.9	28.3	28.4
Forestdale Creek	8017’	—	28.3	—	28.4	29.3
Poison Flat	7900’	16.2	18.4	113.6	18.4	19.8
Monitor Pass	8350’	—	14.4	—	14.5	15.5
Spratt Creek	6150’	4.5	0.0	0.0	0.0	4.1
WALKER RIVER						
Leavitt Lake	9600’	—	49.2	—	49.2	48.1
Summit Meadow	9313’	—	24.3	—	24.3	25.2
Virginia Lakes	9300’	20.3	19.9	98.0	19.8	19.9
Lobdell Lake	9200’	17.3	20.6	119.1	20.7	21.1
Sonora Pass Bridge	8750’	26.0	23.7	91.2	23.7	23.5
Leavitt Meadows	7200’	8.0	10.2	127.5	10.3	12.2
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	30.1	94.9	30.3	30.7
Sawmill	10200’	19.4	16.2	83.3	16.1	16.2
Cottonwood Lakes	10150’	11.6	13.0	112.1	13.2	15.6
Big Pine Creek	9800’	17.9	23.4	130.6	23.2	24.0
South Lake	9600’	16.0	18.4	114.8	18.4	19.1
Mammoth Pass	9300’	42.4	37.0	87.2	37.0	36.4
Rock Creek Lakes	10000’	14.0	16.0	114.3	16.0	16.5

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

Remember this year's Western Snow Conference meeting is April 14-19 in Hood River, OR hosted by the North Pacific Region For further information regarding the Western Snow Conference contact Frank Gehrke at 916-574-2635 or gridley@water.ca.gov. Registration and program information is available on the web at .http://www.westernsnowconference.org/.

Depicted on this month's cover is the National Park Service heading out on the April, 1969 snow surveys along Tioga Pass Road.

SNOWPACK-Snow data is a major index of spring and summer runoff from Sierra Nevada watersheds. April 1 data historically reflects the magnitude of the snowpack at or near the maximum seasonal accumulation. Averages are based on April 1 data for the period 1951-2000 (50 years, except for data sites established after 1951).

PRECIPITATION -Averages are usually based on data for the period 1951-2000 (50 years, except for data sites established after 1951).

RUNOFF AND FORECASTS -Runoff data and runoff forecasts are shown as unimpaired values. Unimpaired runoff represents the natural water production of a river basin, unaltered by upstream diversions, storage, or by export or import of water to or from other watersheds. Forecast of runoff assumes median conditions subsequent to the date of forecast.

Runoff probability ranges are statistically derived from historical data. The 80 percent probability range is comprised of the 90 percent exceedence level value and the 10 percent exceedence level value. This means that actual runoff should fall within the stated limits eight times out of ten.

Runoff averages for most streams are based on the period 1956-2005.

Reservoir storage averages are based on the period from 1956 (or beginning of operation) to 2005.

For more details contact California Cooperative Snow Surveys, P.O. Box 219000, Sacramento, CA 95821-9000, (916) 574-2635 or gridley@water.ca.gov.

INDICES OF WATER AVAILABILITY

The Sacramento River water year unimpaired runoff is the sum of: Sacramento River above Bend Bridge, Feather River Inflow to Lake Oroville, Yuba River near Smartville and American River Inflow to Folsom Lake.

The Sacramento Valley Water Year Hydrologic Classification (40-30-30 Index). The values 40-30-30 represent the percentage weight given to the three variables in the formula for the index. The first variable is the forecasted unimpaired runoff from April through July (40 percent). The second variable is the forecasted unimpaired runoff from October through March (30 Percent). The third variable is the previous year's index with a cap to account for required flood control releases during wet years. The basins used in this computation are those used in the Sacramento River water year unimpaired runoff.

The San Joaquin Valley Water Year Hydrologic Classification (60-20-20 Index). In a similar manner the values 60-20-20 represent the percentage weights on April through July runoff, October through March runoff and previous year's Index. The San Joaquin River unimpaired runoff is the sum of: Stanislaus River Ibelow Goodwin, Tuolumne River below La Grange, Merced River below Merced Falls and San Joaquin River Inflow to Millerton Lake.

Runoff of the eight major rivers of the Sacramento and San Joaquin Regions is the sum of the runoff in the eight major rivers used in the two above indices.

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First Class